

ABSTRACT

ACCESSING A ERP APPLICATION OVER THE INTERNET

USING STRONGLY TYPED DECLARATIVE LANGUAGE FILES

The present invention provides a method and apparatus for executing ERP application
5 requests in a computer-implemented ERP data processing system via a network, using the
steps of:

- (a) transmitting a HyperText Markup Language (HTML) input form to a browser
executed by a client computer in the network for display on a monitor attached thereto;
- (b) receiving a HyperText Transfer Protocol (HTTP) request from the browser to
10 access the ERP System, wherein the request optionally includes data entered by the user
into an HTML input form;
- (c) transferring any data entered by the user into the HTML input form and any
data stored in the requested HTML page into the ERP application API
- (d) transferring control to the ERP application for execution;
- 15 (e) receiving output data from the ERP application in response to the transmitted
data and request;
- (f) merging the output data from the ERP application into a strongly typed Java
object;
- (g) transforming the strongly typed Java objects into a transmittable format, such
20 as XML or HTML, and
- (h) transmitting the HTML or XML object to the browser for display on the
monitor attached to the client computer.